

U.S. Patent Application No. 09/880,689
Amendment dated June 30, 2004
Reply to Office Action of March 30, 2004

REMARKS/ARGUMENTS

Reconsideration and continued examination of the above-identified application are respectfully requested.

In the amendment, the dependency of claim 4 has been changed to claim 30. Claims 13 and 15 have been amended to recite that the level of polyethylene wax is based on the weight of the toner particles. Claim 14 has been amended to make an editorial correction with respect to the weight percent of the colloidal silica particles. Claim 30 has been amended to render the claim even more clear and to recite that the toner particles have a 2 minute charge level. Claims 31 and 32 have been amended to recite that a single charge control agent is present. Claim 40 has been amended to recite a 2 minute charge level for the toner particles. New claim 44 has the same language as claim 30 as previously amended on February 3, 2004, and also recites that a single charge control agent is present. New claim 45 is dependent on claim 31 and recites that the charge control agent is a negative charge control agent. Claim 46 has the same language as claim 31 as amended February 3, 2004, and recites a 2 minute charge level. Support for these amendments can be found throughout the present application, including the examples of the application as well as the claims as originally filed. For example, reference to a single charge control agent and a negative charge control agent can be found at page 4, lines 5-11, as well as page 9, line 21 - page 10, line 13, and further, in the examples where a single charge control agent was used. With respect to the inorganic particles, such as silica, being based on the weight of the toner, reference is made to page 8, lines 11-18. With respect to the amount of waxes being based on the weight of the toner, reference is made to page 12, lines 11-23. The 2 minute charge level that has been added in some of the claims can be found, for instance, at page 19, line 20 - page 20, line 1. Accordingly, no questions of new matter should arise and entry of this amendment is respectfully requested.

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At pages 2-5 of the Office Action, the Examiner indicates the withdrawal of several of the rejections.

At page 5 of the Office Action, the Examiner indicates that several claims are considered to be substantial duplicates of each other.

In response, based on the amendments discussed above, the applicants believe that this is no longer the situation.

At page 6 of the Office Action, the Examiner rejects claims 13-15 and 22-24 under 35 U.S.C. §112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which the applicants regard as the invention. According to the Examiner, the phrase "colloidal silica particles are present from about 0.2 wt.% to about 0.3 wt.% silica" is indefinite because it is not clear on what the recited weight percentage is based. Furthermore, the Examiner states that the phrase "release agent . . . comprises about 1.8 wt.% polyethylene wax," is indefinite because it is not clear what is the basis of the weight percent. Furthermore, the Examiner states that the phrase "release agent . . . comprises from about 0.1 wt.% to about 10 wt.% polyethylene wax" is indefinite because it is not clear what is the basis for the weight percent. For the following reasons, this rejection is respectfully traversed.

With respect to claim 14, the word "silica" has been deleted, and therefore, the reference to the amount of colloidal silica particles is based on the weight of the toner particles. As set forth above, clear support exists for this understanding in the specification.

With respect to claims 13 and 15, as indicated above, the amounts of the wax are based on the weight of the toner particles. Accordingly, these rejections should be withdrawn.

At page 7 of the Office Action, the Examiner rejects claims 14, 15, 23, 24, 30, and 35 under 35 U.S.C. §112, first paragraph, as failing to comply with the written description requirement.

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According to the Examiner, if the amount of the added colloidal silica particles, "about 0.2 wt.% to about 0.3 wt.%" recited in the instant claims 14, 15, 23, and 24, is based on the total amount of silica present in the toner particles or on the amount of silica present in the surface treatment agent, the originally-filed specification does not provide an adequate written description of either basis. According to the Examiner, the applicants have not identified, and the Examiner cannot find, any disclosure in the originally-filed specification that the added colloidal silica particles are present in either of the interpreted amounts of claim 14.

With respect to claims 30 and 35, the Examiner states that the originally-filed specification does not provide an adequate written description of the toner particles. According to the Examiner, the term "cross-linked styrene-acrylate polymer," recited in claims 30 and 35 is broader than the disclosed toner binder resin because it encompasses the polymer being used other than as a toner binder resin. For the following reasons, this rejection is respectfully traversed.

With respect to claim 14 and the claims dependent thereon, the discussion above applies equally here. Accordingly, this part of the rejection has been addressed and should be withdrawn.

With respect to the Examiner's argument that the term "cross-linked styrene-acrylate polymer," recited in claims 30 and 35 does not comply with the written description requirement, the applicants believe that this term is clearly used in the present application. For instance, at page 25, Table 2, the toner formulation includes a cross-linked styrene-acrylate copolymer. Furthermore, there are numerous patents in the specification that are referenced for the purposes of the toner resin. Accordingly, the applicants believe that the term as used in claims 30 and 35 is fully supported by the present application as originally filed. Thus, the written description requirement has been satisfied and this rejection should be withdrawn.

Also, at page 9 of the Office Action, the Examiner rejects claims 30 and 35 under 35 U.S.C.

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§102(e) as being anticipated by Fields et al. (U.S. Patent No. 6,692,880 B2) as evidenced by U.S. Provisional Patent Application No. 60/290,707. The Examiner asserts that Fields et al. exemplifies a developer comprising a magnetic carrier and toner particles. The toner particles comprise 88.9 wt.% of a cross-linked styrene-butylacrylate copolymer associated with the tradename SB77X1, produced by Eastman Kodak, 6.2 wt.% of carbon black, 1.5 wt.% of an organo iron complex charge control agent associated with the tradename T77, and 2.0 wt.% of a polyethylene wax. The toner particles are surface-treated with 0.30 wt.% of hydrophobic silica associated with the tradename R972 silica, obtained from Nippon Aerosil. The Examiner also asserts that Fields et al. describes that after mixing the toner particles with the magnetic carrier for 2 minutes, the toner particles had a MECCA charge-to-mass ratio (Q/m) of $-16.8 \mu\text{C/g}$. After mixing the toner particles with the magnetic carrier for 10 minutes, the toner particles had a MECCA Q/m of $-19.4 \mu\text{C/g}$. The charge ratio of the Q/m at 2 minutes to the Q/m at 10 minutes is 0.9, which is numerically within the range of about 0.9 to about 1.1 recited in instant claim 30. For the following reasons, this rejection is respectfully traversed.

With respect to claim 30, this claim is based on toner particles wherein the toner particles have a 2 minute charge level of from about -20 to about $-30 \mu\text{C/g}$. Claim 35 is dependent on claim 30 and recites a developer composition that contains the toner particles of claim 30.

With respect to Fields et al., it is respectfully pointed out that any of the formulations set forth in Fields et al. that recited a 2'/10' MECCA charge ratio of from about 0.9 to about 1.1 do not have a 2 minute charge level of from about -20 to about $-30 \mu\text{C/g}$. (See Table 3 of Fields et al.) In addition, a 2 minute charge level of about $-20 \mu\text{C/g}$ is clearly not literally within a charge level of $-16.8 \mu\text{C/g}$. This is over a 15% difference. Accordingly, for these reasons, this rejection should be withdrawn.

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At page 10 of the Office Action, the Examiner rejects claims 2, 4-7, 14, 16, 17, 23, 31-33, 36, and 37-41 under 35 U.S.C. §102(e) as anticipated by or, in the alternative, under 35 U.S.C. §103(a) as being obvious over Fields et al. According to the Examiner, the toner particles in Example 6 of Fields et al. meet the compositional limitations recited in the instant claims, except for the presence of colloidal silica or silica in the toner binder resin. The Examiner asserts that the amount of 88.9 wt.% of the cross-linked styrene acrylate copolymer associated with the tradename SB77XL meets the amount of "about 90 wt.%" and is within the range of "about 80 wt.% to about 95 wt.%" recited in claims 14 and 33, respectively. The Examiner states that no evidence exists that the amount of "about 90 wt.%" recited in instant claim 14 is patentably distinct from the amount of 88.9 wt.% disclosed in Fields et al. The Examiner also asserts that the amount of 1.5 wt.% of the organo iron complex charge control agent associated with the tradename T77 meets the amount of "about 1.8 wt.%" and is within the range of "about 1 wt.% to about 2.5 wt.%" recited in instant claims 14 and 33, respectively. The Examiner states that no evidence exists that the amount of "about 1.8 wt.%" is patentably distinct from the amount of 1.5 wt.% disclosed in Fields et al. Additionally, the Examiner states that the amount of 0.30 wt.% of the hydrophobic silica is within the ranges of "about 0.2 to about 0.6 wt.%" and "about 0.05 wt.% to about 5.0 wt.%" recited in instant claims 14 and 33, respectively.

The Examiner indicates that Fields et al. does not disclose that its toner particles comprise colloidal silica or silica as recited in the instant claims. However, the Examiner asserts that the toner particles of Fields et al. meet the compositional limitations recited in the instant claims, but for the presence of the colloidal silica or silica. Thus, the Examiner concludes that it is reasonable to presume that the toner particles in Example 6 of Fields et al. include the colloidal silica or silica recited in the instant claims. For the following reasons, this rejection is respectfully traversed.

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With respect to the §102(e) rejection, claim 31 recites toner particles which include a single charge control agent. On the other hand, Fields et al. describes the presence of two types of charge control agents. In addition, the Examiner's attention is directed to Table 3 wherein CCA refers to the charge control agent that was present. The Examiner will note that Examples 3-9 relate to the use of two different types of charge control agents, and the one particular example relied upon by the Examiner to show a 2'/10' MECCA charge ratio of from about 0.9 to about 1.1 is Example 6, which contains 2 charge control agents. None of the examples, namely Examples 1 and 2 in Table 3, which used one charge control agent achieved a 2'/10' MECCA charge ratio of from about 0.9 to about 1.1. This same difference applies to claim 32 and the claims dependent on claims 31 and 32.

With respect to claim 40 and the claims dependent thereon, as stated above with respect to claim 30, claim 40 recites a 2'/10' MECCA charge ratio of from about 0.9 to about 1.1, and further having a two minute charge level of from about -20 to about -30 μ C/g. As stated above, this is not taught in Fields et al.

With respect to the new claims, similar reasons apply for the patentability of these claims over Fields et al.

With respect to the §103(a) rejection, the applicants note that the present application has a filing dated of June 13, 2001, and therefore, the Fields et al. reference, which has an issue date of February 17, 2004 can only be a §102(e)/103 prior art. It is respectfully pointed out that at the time of the invention of the present application, as well as at the time of the invention of Fields et al., both applications were owned by the same assignee, namely Heidelberg Digital L.L.C. and NexPress Solutions, L.L.C.. It is pointed out that the assignee named on the Fields et al. is an error in that only one assignee was named when the first recorded assignment from the inventors was to Heidelberg Digital L.L.C. and NexPress Solutions, L.L.C. Accordingly, since Fields et al. and the

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present application were, at the time each invention was made, owned by the same companies and subject to an obligation of assignment to the same companies, §103(c) applies and therefore any §103 rejection should be withdrawn for this reason alone. Copies of the recorded assignments for Fields et al., as well as the present application, are attached for the Examiner's convenience.

At page 12 of the Office Action, the Examiner rejects claims 9-11, 13, 15, 18-20, 22, and 24 under 35 U.S.C. §102(e) as anticipated by or, in the alternative, under 35 U.S.C. §103(a) as obvious over Fields et al. The Examiner repeats the arguments with respect to Fields et al. Furthermore, the Examiner indicates that Fields et al. does not describe that the cross-linked styrene acrylate copolymer is made by a limited coalescence process as recited in the claimed invention. However, the Examiner asserts that copolymers of Fields et al. meet the compositional limitations recited in the claimed invention. Thus, the Examiner concludes that the copolymers of Fields et al. appear to be the same or substantially the same as the toner resin made by the limited coalescence process recited in the instant claims. For the following reasons, this rejection is respectfully traversed.

Each of these claims is dependent, either directly or indirectly, on claims 31, 32, or 33 which have been addressed above in view of Fields et al. Accordingly, for these reasons, this rejection should be withdrawn.

At page 14 of the Office Action, the Examiner rejects claims 25-27 under 35 U.S.C. §103(a) as being unpatentable over Fields et al. combined with Saha (U.S. Patent No. 5,500,320). The Examiner states that Saha describes hard magnetic carrier particles comprising strontium ferrite particles coated with a polymeric coating. Additionally, according to the Examiner, Saha describes that the carrier particles provide developer compositions for magnetic brush development having high development speeds without loss of copy image quality. Thus, the Examiner concludes that it would have been obvious for a person having ordinary skill in the art, in view of the teachings of

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Saha, to use strontium ferrite resin coated particles of Saha as the magnetic carrier in the developer disclosed in Example 6 of Fields et al. For the following reasons, this rejection is respectfully traversed.

As stated above, since Fields et al. is used in this §103 rejection, as pointed out by the Examiner above, the rejection under §103(c) applies, and accordingly, this rejection should be withdrawn.

At page 15 of the Office Action, the Examiner rejects claims 28 and 29 under 35 U.S.C. §103(a) as being unpatentable over Fields et al., combined with Saha, and further combined with Creatura (U.S. Patent No. 5,102,769). The Examiner indicates that Saha does not teach that its strontium ferrite carrier particles are coated with a blend of polyvinylidene and polymethylmethacrylate polymers as recited in claims 28 and 29. However, Saha teaches that his carrier particles can be coated with a poly(vinylidene fluoride) resin or polymethacrylate resins.

The Examiner then states that Creatura describes that magnetic carrier particles can be coated with a polymeric coating having a blend of poly(vinylidene fluoride) and poly(methylmethacrylate) in a weight ratio of 3/2. The ratio of 3/2 meets the ratio of about 80/20 to about 50/50 recited in claim 29. The Examiner also states that Creatura describes that the carrier particles provide images having acceptable solids, excellent halftones, and desirable line resolution, with acceptable or substantially no background deposits.

Therefore, the Examiner concludes that it would have been obvious for a person having ordinary skill in the art, in view of the teachings of Creatura, to coat strontium ferrite carrier particles of Saha with the polymeric coating of Creatura and to use those carrier particles as the magnetic carrier. For the following reasons, this rejection is respectfully traversed.

Since Fields et al. is part of this §103 rejection and the exceptions under §103(c) apply, this

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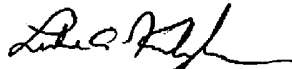
rejection should be withdrawn.

CONCLUSION

In view of the foregoing remarks, the applicant respectfully requests the reconsideration of this application and the timely allowance of the pending claims.

If there are any other fees due in connection with the filing of this response, please charge the fees to Deposit Account No. 50-0925. If a fee is required for an extension of time under 37 C.F.R. § 1.136 not accounted for above, such extension is requested and should also be charged to said Deposit Account.

Respectfully submitted,



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DECEMBER 18, 2001

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BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

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012241/0534 PAGE 2

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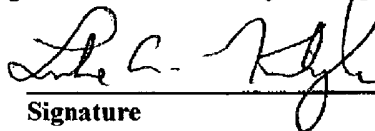
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SOLE/JOINT INVENTION

ASSIGNMENT

(Worldwide Rights)

WHEREAS We/I, the below named inventors, [hereinafter referred to as Assignors], have made an invention entitled:

**ELECTROPHOTOGRAPHIC TONER AND DEVELOPMENT PROCESS
WITH IMPROVED CHARGE TO MASS STABILITY**
Title of Invention

for which We/I filed an application for United States Letters patent on June 13, 2001, as Application No. 09/880,689; and

WHEREAS, Heidelberg Digital L.L.C. and NexPress Solutions, LLC (Full Name of Assignee(s)) a Delaware Limited Liability Company and a New York Limited Liability Company, respectively whose post office address is 2600 Manito Road, Rochester, NY 14624 and 1624 St. Paul Boulevard, Rochester, NY 14653, respectively, (hereby referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that for and in consideration of the sum of One Dollar (\$1.00) in hand paid and other good and valuable consideration the receipt of which from assignee is hereby acknowledged, We/I, as assignors, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, my/our entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of such application, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and We/I hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, WE/I HEREBY covenant that We/I have the full right to convey the interest assigned by this Assignment, and We/I have not executed and will not execute any agreement in conflict with this Assignment;

AND, WE/I HEREBY further covenant and agree that WE/I will, without further consideration, communicate with assignee, its successors and assigns, any facts known to me/us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

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of September, 2001.

Mary A. Di Paolo Notary Public

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MARY A. DI PAOLO
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Signature:	<i>Patrick M. Lambert</i>
Date:	<i>9/26/01</i>
FULL NAME OF THIRD INVENTOR: Dinesh TYAGI	
Address: 18 White Alder Circle, Fairport, New York 14450	
Signature:	<i>Dmk tyagi</i>
Date:	<i>Sept 18, 2001</i>
FULL NAME OF FOURTH INVENTOR: James H. ANDERSON	
Address: 159 Commonwealth Rd., Rochester, NY 14618	
Signature:	<i>James H. Anderson</i>
Date:	<i>9/12/01</i>
FULL NAME OF FIFTH INVENTOR:	
Address:	
Signature:	
Date:	



FEBRUARY 14, 2002

PTAS

Under Secretary of Commerce For Intellectual Property and
Director of the United States Patent and Trademark Office
Washington, DC 20231
www.uspto.gov

KILYK & BOWERSOX, P.L.L.C.
LUKE A. KILYK
53A LEE STREET
WARRENTON, VA 20186



101971206A

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RECORDATION DATE: 09/21/2001

REEL/FRAME: 012189/0837
NUMBER OF PAGES: 5

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
FIELDS, ROBERT D.

DOC DATE: 08/17/2001

ASSIGNOR:
TYAGI, DINESH

DOC DATE: 08/22/2001

ASSIGNOR:
WILSON, JOHN C.

DOC DATE: 08/22/2001

ASSIGNOR:
ALEXANDROVICH, PETER

DOC DATE: 08/22/2001

ASSIGNEE:
HEIDELBERG DIGITAL LLC
2600 MANITOU ROAD
ROCHESTER, NEW YORK 14624

ASSIGNEE:
NEXPRESS SOLUTIONS, LLC
1624 ST. PAUL BOULEVARD
ROCHESTER, NEW YORK 14653

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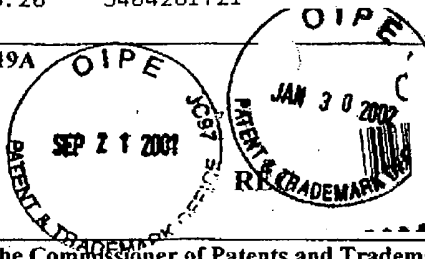
012189/0837 PAGE 2

SERIAL NUMBER: 60290707
PATENT NUMBER:

FILING DATE: 05/14/2001
ISSUE DATE:

REGINA COATES-WHITE, SUPERVISOR
ASSIGNMENT DIVISION
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Form PTO-1619A
Expires 06/30/99
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Reel # Frame #

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- (X) Assignment () Security Agreement
- () License () Change of Name
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() Departmental File () Secret File

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(X) Mark if additional names of conveying parties attached

Name (line 1) Robert D. FIELDS

Execution Date
Month Day Year
August 17, 2001

Name (line 2)

Second Party

Name (line 1) Dinesh TYAGI

Execution Date
Month Date Year
August 22, 2001

Name (line 2)

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Address (line 1) 2600 Manitou Road

Address (line 2)

Address (line 3)

Rochester,
City

New York/U.S.A.
State/Country

14624
Zip Code

Domestic Representative Name and Address

Enter for the first Receiving Party only.

Name

Address (line 1)

Address (line 2)

Address (line 3)

Address (line 4)

09/26/2001 DBYRNE 00000033 60290707

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Page 2

U.S. Department of Commerce
Patent and Trademark Office
PATENT

Correspondent Name and Address

Area Code and Telephone Number (540) 428-1701

Name Luke A. Kilyk

Address (line 1) KILYK & BOWERSOX, P.L.L.C.

Address (line 2) 53A Lee Street

Address (line 3) Warrenton, VA 20186

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Pages

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Application Number(s) or Patent Number(s)

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Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).
Patent Application Number(s)

60/290,707

Patent Number(s)

If this document is being filed together with a new Patent Application, enter the date the patent application was
Year signed by the first named executing inventor.

Month Day

Patent Cooperation Treaty (PCT)

Enter PCT application number
only if a U.S. Application Number
has not been assigned.

PCT

PCT

PCT

PCT

PCT

PCT

Number of Properties

Enter the total number of properties involved.

1

Fee Amount

Fee Amount for Properties Listed (37 CFR 3.41):

\$ 40.00

Method of Payment:

Enclosed (X)

Deposit Account ()

Deposit Account

(Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number:

50-0925

Authorization to charge additional fees:

Yes (X)

No ()

Statement and Signature

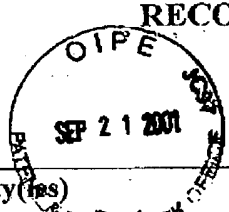
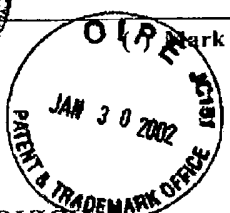
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indicated herein.*Luke A. Kilyk, Reg. No. 33,251

Name of Person Signing

Signature

September 19, 2001

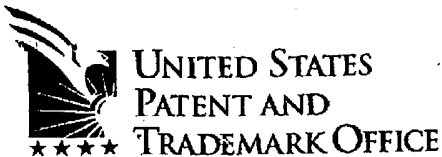
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Name (line 1) <u>NEXPRESS SOLUTIONS, LLC</u>		
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Address (line 1)		
Address (line 2)		
Address (line 3) <u>Rochester</u>	<u>New York/U.S.A.</u>	<u>14653</u>
	City	State/Country
Name (line 1)		Zip Code
Name (line 2)		
Address (line 1)		
Address (line 2)		
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		Zip Code
Application Number(s) or Patent Number(s) () Mark if additional numbers attached Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).		
Patent Application Number(s)		Patent Number(s)

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Sandra Stocklinski

Name of Person signing Certificate Signature



NOVEMBER 28, 2001

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LUKE A. KILYK
53A LEE STREET
WARRENTON, VA 20186

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RECORDATION DATE: 09/21/2001

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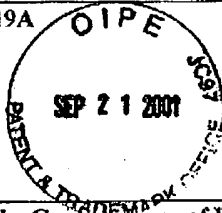
012189/0837 PAGE 2

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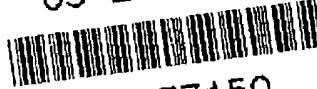
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09-27-2001



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Reel # Frame #() Corrective Document
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(X) Assignment () Security Agreement

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() Merger () Other

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(X) Mark if additional names of conveying parties attached

Name (line 1) Robert D. FIELDS

Name (line 2)

Execution Date
Month Day Year
August 17, 2001

Second Party

Name (line 1) Dinesh TYAGI

Name (line 2)

Execution Date
Month Date Year
August 22, 2001

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Name (line 2)

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Zip Code

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Page 2

U.S. Department of Commerce

Patent and Trademark Office

PATENT

Correspondent Name and Address

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Name Luke A. Kilyk

Address (line 1) KILYK & BOWERSOX, P.L.L.C.

Address (line 2) 53A Lee Street

Address (line 3) Warrenton, VA 20186

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Application Number(s) or Patent Number(s)

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Number of Properties

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Fee Amount

Fee Amount for Properties Listed (37 CFR 3.41):

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Method of Payment:

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Deposit Account ()

Deposit Account

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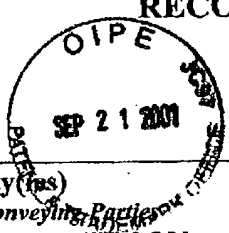
Luke A. Kilyk, Reg. No. 33,251

Name of Person Signing

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Sandra Stocklinski

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Sandra Stocklinski

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Sandra Stocklin Sandra Stocklin
Name of Person signing Certificate Signature

SOLE/JOINT INVENTION

ASSIGNMENT

(Worldwide Rights)

WHEREAS We/I, the below named inventors. [hereinafter referred to as Assignors], have made an invention entitled:

**ELECTROPHOTOGRAPHIC TONER WITH STABLE
TRIBOELECTRIC PROPERTIES**
Title of Invention

for which We/I filed an application for United States Letters patent on May 14, 2001, as Application No. 60/290,707; and

WHEREAS, Heidelberg Digital L.L.C. and NexPress Solutions, LLC (Full Name of Assignee(s)) a Delaware Limited Liability Company and a New York Limited Liability Company, respectively whose post office address is 2600 Manitou Road, Rochester, NY 14624 and 1624 St. Paul Boulevard, Rochester, NY 14653, respectively, (hereby referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that for and in consideration of the sum of One Dollar (\$1.00) in hand paid and other good and valuable consideration the receipt of which from assignee is hereby acknowledged, We/I, as assignors, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, my/our entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of such application, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and We/I hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, WE/I HEREBY covenant that We/I have the full right to convey the interest assigned by this Assignment, and We/I have not executed and will not execute any agreement in conflict with this Assignment;

AND, WE/I HEREBY further covenant and agree that WE/I will, without further consideration, communicate with assignee, its successors and assigns, any facts known to me/us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

IN TESTIMONY WHEREOF, We/I have hereunto set our hands.

County of Monroe)

ss.

State of New York)

Subscribed and sworn to before me this 17th day and 22nd

of August, 2001.

Mary A. Spaw Notary Public

SEAL

FULL NAME OF FIRST INVENTOR: Robert D. FIELDS	
Address: 20 The Highlands, Rochester, New York 14622	
Signature:	<i>Robert D. Fields</i>
Date:	<i>August 17, 2001</i>
FULL NAME OF SECOND INVENTOR: Dinesh TYAGI	
Address: 18 White Alder Circle, Fairport, New York 14450	
Signature:	<i>Dinesh Tyagi</i>
Date:	<i>8-22-2001</i>
FULL NAME OF THIRD INVENTOR: John C. WILSON	
Address: <i>200 Beaconview Ct. Rochester, NY 14617</i>	
Signature:	<i>John C. Wilson</i>
Date:	<i>Aug 22, 2001</i>
FULL NAME OF FOURTH INVENTOR: Peter ALEXANDROVICH	
Address: <i>324 Van Voorhis Ave, Rochester, NY 14617</i>	
Signature:	<i>Peter J. Alexandrovich</i>
Date:	<i>8-22-01</i>